

## 10156000 SNAKE CREEK NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'07", long 111°27'59", in NE<sup>1</sup>/4NW<sup>1</sup>/4SW<sup>1</sup>/4 sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 700 ft upstream from mouth and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--31.8 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1938 to October 1950, May 1993 to current year. Monthly discharge only, September 1938 to September 1945, published in WSP 1413.

GAGE.--Water-stage recorder. Elevation of gage is 5,435 ft above sea level, from topographic map. Prior to 1993 at different datum.

REMARKS.--Records fair. Some diversions above station for irrigation. Gage is affected by backwater.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft<sup>3</sup>/s, Jun 14, 1995, gage height, 2.46 ft, maximum gage height, 3.63 ft, Mar 23, 1996; minimum, 19 ft<sup>3</sup>/s, May 1, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66 ft<sup>3</sup>/s, Nov 1, gage height, 3.15 ft; minimum daily discharge, 29 ft<sup>3</sup>/s, Apr 19, 29, May 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	51	41	38	38	40	37	35	40	38	41	55
2	34	45	41	37	38	40	40	42	45	43	45	55
3	35	45	41	36	39	40	39	43	34	44	44	49
4	35	44	40	36	39	40	39	41	40	39	42	45
5	35	45	41	37	40	40	39	37	46	38	44	44
6	34	45	41	37	39	40	39	30	45	39	49	45
7	34	44	40	37	40	40	42	29	56	40	43	45
8	34	44	39	38	40	40	42	33	39	38	44	44
9	33	44	39	38	40	40	39	41	33	41	44	42
10	37	43	40	39	39	41	38	40	37	42	44	42
11	40	44	39	39	39	40	38	39	39	39	45	47
12	40	44	39	39	39	40	38	34	40	37	46	47
13	42	43	39	38	39	40	37	33	34	37	43	53
14	44	44	41	38	39	41	37	41	37	38	44	46
15	44	44	41	38	39	41	36	38	40	39	43	45
16	41	43	40	39	38	40	34	45	36	38	42	47
17	42	44	40	37	38	40	30	50	34	39	45	51
18	44	44	40	38	40	39	30	46	36	38	46	49
19	42	42	40	38	44	40	29	41	38	40	43	45
20	41	40	39	38	43	41	33	39	36	41	42	44
21	37	40	38	38	42	41	40	37	37	39	44	43
22	38	39	38	38	43	40	38	34	32	39	49	46
23	38	40	38	39	43	39	38	31	33	40	49	50
24	39	40	38	39	41	39	31	43	39	42	48	53
25	41	40	38	38	41	39	32	42	38	44	47	57
26	44	40	37	38	40	39	34	34	35	40	53	56
27	45	41	38	38	40	39	34	39	35	41	52	55
28	42	42	37	38	40	39	32	42	37	42	53	42
29	40	42	36	38	---	40	29	37	38	40	55	44
30	47	41	37	38	---	39	34	37	38	40	55	44
31	51	---	38	38	---	38	---	54	---	45	55	---
TOTAL	1228	1287	1214	1175	1120	1235	1078	1207	1147	1240	1439	1430
MEAN	39.6	42.9	39.2	37.9	40.0	39.8	35.9	38.9	38.2	40.0	46.4	47.7
MAX	51	51	41	39	44	41	42	54	56	45	55	57
MIN	33	39	36	36	38	38	29	29	32	37	41	42
AC-FT	2440	2550	2410	2330	2220	2450	2140	2390	2280	2460	2850	2840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	47.5	48.5	44.4	42.7	42.3	45.4	45.8	54.0	58.4	44.5	40.9	42.2
MAX	65.0	62.9	55.7	51.7	55.0	52.1	57.8	87.5	86.8	59.4	57.5	62.3
(WY)	1999	1946	1999	1999	1945	1945	1945	1943	1995	1995	1998	1998
MIN	35.5	33.8	36.2	35.4	33.6	36.2	35.9	36.3	35.5	26.3	28.5	29.6
(WY)	1940	1940	1940	1941	1941	1940	2001	2000	1994	1994	1940	1939

## JORDAN RIVER BASIN

10156000 SNAKE CREEK NEAR CHARLESTON, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1939 - 2001
ANNUAL TOTAL	14635	14800	46.3
ANNUAL MEAN	40.0	40.5	55.2
HIGHEST ANNUAL MEAN			1999
LOWEST ANNUAL MEAN			1940
HIGHEST DAILY MEAN	59	Jan 19	113
LOWEST DAILY MEAN	28	Jul 6	24
ANNUAL SEVEN-DAY MINIMUM	29	Aug 11	25
ANNUAL RUNOFF (AC-FT)	29030	29360	33550
10 PERCENT EXCEEDS	48	46	59
50 PERCENT EXCEEDS	40	40	45
90 PERCENT EXCEEDS	33	35	35

